UTILITY PATENT APPLICATION TRANSMITTAL
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2232-205
First Inventor	Arthur E. Colvin, Jr.
Title	OPTICAL-BASED SENSING DEVICES

Applicant for Published Patent Application: Sensors for Medicine and Science, Inc.
Germantown, MD

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: **Assistant Commissioner of Patents**
Box Patent Application
Washington, D.C. 20231

1. [X] Fee Transmittal Form
   (Submit an original, and a duplicate for fee processing)
2. [x] Applicant claims small entity status.
3. [x] Specification   Total pages [75]
   (preferred arrangement set forth below)
   - Descriptive title of the invention
   - Cross references to Related Applications
   - Statement Regarding Fed sponsored R&D
   - Reference to sequence listing, a table or a computer program listing appendix
   - Background of the Invention
   - Brief Summary of the Invention
   - Brief Description of the Drawings
   - Detailed Description
   - Claims
   - Abstract of the Disclosure
4. [X] Drawing(s) (35 USC 113)   (Total Sheets) [38]
5. [X] Oath or Declaration   (Total Pages) [2]
   a. [ ] Newly executed (original or copy)
   b. [X] Copy from a prior application (37 CFR 1.63(d))
      (for continuation/divisional with Box 17 completed)
      [Note Box 5 below]
      i [ ] DELETION OF INVENTOR(S)
      Signed statement attached deleting inventor(s) named in the prior application,
6. [X] Application Data Sheet.

7. [ ] CD-ROM or CD-R in duplicate, large table or Computer Program
8. Nucleotide and/or Amino Acid Sequence Submission
   a. [ ] Computer Readable Form (CRF)
   b. Specification Sequence Listing on:
      i. [ ] CD-ROM or CD-R (2 copies); or
      ii. [ ] paper
   c. [ ] Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS
9. [ ] Assignment Papers (cover sheet & document(s))
10. [ ] 37 CFR 3.73(b) Statement
    (when there is an assignee)
    [ ] Power of Attorney
11. [ ] English Translation Document *(if applicable)*
12. [ ] Information Disclosure Statement /PTO 1449
    [ ] Copies of IDS Citations
13. [ ] Preliminary Amendment
14. [X] Return Receipt Postcard (MPEP 503)
    (Should be specifically itemized)
15. [ ] Certified Copy of Priority Document(s).
16. [ ] Request and Certification under 35 U.S.C. 122(b)(2)(B)(i).
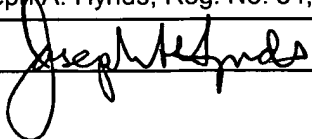17. [ ] Other:

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17. If a CONTINUING APPLICATION, *check appropriate box and supply the requisite information below or in an application Data Sheet under 37 CFR 1.76::*
    [X] Continuation [ ] Divisional [ ] Continuation-in-part (CIP) of prior application No.: 09/963,798
    Prior application information: Examiner ___David J. McCrosky___ *Group/Art Unit* __3736__
    For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.

[X] Customer Number or Bar Code Label **6449**

Address	Rothwell, Figg, Ernst & Manbeck Suite 800, 1425 K Street, N.W.				
City	Washington	State	D.C.	Zip Code	20005
Country	U.S.A.	Telephone	202-783-6040	Fax	202-783-6031
Name	Joseph A. Hynds, Reg. No. 34,627				
Signature			Date February 24, 2004		

FEE TRANSMITTAL
for FY 2003
(Small Entity)

	Complete if Known	
Application Number		
Filing Date	February 24, 2004	
First Named Inventor	Arthur E. Colvin, Jr.	
Examiner Name		
Group Art Unit	.	

Total Amount of Payment	($) 385.00	Attorney Docket Number	2232-205

METHOD OF PAYMENT (check one)

1. [X] The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck

   [ ] Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

   [X] Applicant claims small entity status.

2. [X] Payment Enclosed:
   [X] Check
   [ ] Credit Card

FEE CALCULATION

1. FILING FEE

Fee Code	Fee $	Fee Description	Fee Paid
2001	385	Utility filing fee	[385]
2002	170	Design Filing Fee	[ ]
2003	265	Plant Filing Fee	[ ]
2004	385	Reissue Filing Fee	[ ]
2005	80	Provisional Filing Fee	[ ]

SUBTOTAL $385

2. CLAIMS

			Extra Claims	Fee	Fee Paid
Total Claims	[18] - 20** =	[0] x		$ 9 =	[0]
Independent Claims	[2] - 3** =	[0] x		43 =	[0]
Multiple Dependent Claims		+		145 =	[0]

***or number previously paid, if greater;*

SUBTOTAL $---

FEE CALCULATION (continued)
3. ADDITIONAL FEES

Fee Code	Fee Paid	Fee Description	Fee Paid
2051	65	Surcharge - late filing fee or oath	[ ]
2052	25	Surcharge - late provisional filing fee or cover sheet	[ ]
1053	130	Non-English specification	[ ]
1812	2,520	For filing a request for reexamination	[ ]
1804	920	Requesting publication of SIR prior to Examiner action	[ ]
1805	1,840*	Requesting publication of SIR after Examiner action	[ ]
2251	55	Extension for reply within first month	[ ]
2252	210	Extension for reply within second month	[ ]
2253	475	Extension for reply within third month	[ ]
2254	740	Extension for reply within fourth month	[ ]
2255	1,005	Extension for reply within fifth month	[ ]
2401	165	Notice of Appeal	[ ]
2402	165	Filing a brief in support of an appeal	[ ]
2403	145	Request for Oral Hearing	[ ]
1451	1,510	Petition to institute a public use proceeding	[ ]
2452	55	Petition to revive -unavoidable	[ ]
2453	475	Petition to revive - unintentional	[ ]
2501	665	Utility issue fee (or reissue)	[ ]
2502	240	Design issue fee	[ ]
2503	320	Plant issue fee	[ ]
1460	130	Petitions to the Commissioner	[ ]
1807	50	Processing fee under 37 CFR 1.17(q)	[ ]
1806	180	Submission of Information Disclosure Statement	[ ]
8021	40	Recording each patent assignment per property (times number of properties)	[ ]
2809	385	Filing a submission after final rejection (37 CFR .129(a))	[ ]
2810	385	For each additional invention to be examined (37 CFR 1.129(b))	[ ]
2801	385	Request for Continued Examination (RCE)	[ ]
1802	900	Request for expedited examination of a design application	[ ]
1504	300	Publication fee for early, voluntary, or normal publication	[ ]
1505	300	Publication fee for republication	[ ]
1455	200	Filing an application for patent term adjustment	[ ]
1456	400	Request for reinstatement of term reduced	[ ]
Other fee (specify)			[ ]

* Reduced by Basic Filing Fee Paid **SUBTOTAL** $ ---

SUBMITTED BY		Complete (if applicable)	
NAME AND REG. NUMBER	Joseph A. Hynds, Reg. No. 34,627		
SIGNATURE	*[signature]*	DATE February 24, 2004	DEPOSIT ACCOUNT USER ID	02-2135